

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet
Spring 2015 Levee Inspection Results****Sutter Maintenance Yard East-West Interceptor**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	1.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/14/2015 - 04/14/2015			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/14/2015 04/14/2015	Bob Duffey

LM Start		Rating **	A	Issue No.	9		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_NA0020_01_s _ 2013_9						
Action/Comments							
Inspector Comments: The LMA has the O&M manuals.							

No Photos

LM Start		Rating **	A	Issue No.	10		
LM End		Issue Type +	Ma	Location *	WS		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start	End		
Item	Emergency Supplies & Equipment				°		°
					°		°
DWR ID	DWR_NA0020_01_s _ 2013_10						
Action/Comments							
Inspector Comments: The LMA has adequate flood fight supplies and equipment.							

No Photos

LM Start		Rating **	A	Issue No.	11	
LM End		Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Flood Preparedness & Training				°	
					°	
DWR ID	DWR_NA0020_01_s _ 2013_11					
Action/Comments						
Inspector Comments: The LMA completed flood fight training in 2014.						

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/14/2015 04/14/2015	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171577 °	39.171543 °
				-121.760019 °	-121.758291 °
DWR ID	DWR_NA0020_01_s _ 2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	7
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171577 °	39.171481 °
				-121.760019 °	-121.754826 °
DWR ID	DWR_NA0020_01_s _ 2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_ST0020_213_7_20150310_00004.jpg



View of the vegetation along the w/s toe.

LM Start	0.23	Rating **	M	Issue No.	2
LM End	0.25	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171418 °	39.171408 °
				-121.755963 °	-121.755578 °
DWR ID	DWR_NA0020_01_s _ 2012_2				
Action/Comments					
Landscaping Inspector Comments: Remove the cactus and pine trees from the waterside berm.					

Photo 1 of 1 : SP_2015_ST0020_213_2_20150420_00006.jpg



View of the cactus and pine trees along the waterside berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/14/2015 04/14/2015	Bob Duffey

LM Start	0.30	Rating **	C	Issue No.	22
LM End	0.30	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171459 °	39.171459 °
				-121.755104 °	-121.755104 °
DWR ID	DWR_NA0020_01_f_2013_22				
Action/Comments					
Tree or limb					

No Photos

LM Start	0.36	Rating **	M	Issue No.	23
LM End	0.36	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171450 °	39.171450 °
				-121.754058 °	-121.754058 °
DWR ID	DWR_NA0020_01_f_2013_23				
Action/Comments					
Prunings					
Inspector Comments: Remove the prunings from the waterside berm.					

Photo 1 of 1 : SP_2015_ST0020_213_23_20150420_00008.jpg



Remove the prunings from the waterside berm.

LM Start	0.62	Rating **	U	Issue No.	4
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171292 °	39.171232 °
				-121.748868 °	-121.748175 °
DWR ID	DWR_NA0020_01_s_2012_4				
Action/Comments					
Schedule repair of erosion site prior to the next inspection. Inspector Comments: Repair the erosion along the concrete ditch before winter.					

Photo 1 of 1 : SP_2015_ST0020_213_4_20150420_00009.jpg



Repair the erosion along the concrete ditch before winter.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/14/2015 04/14/2015	Bob Duffey

LM Start	1.09	Rating **	U	Issue No.	1
LM End	1.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171301 °	39.171301 °
				-121.739799 °	-121.739799 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:45227 DS_ID:19434 EP_NO: 12746 Repair Type: Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Still no flap gate on pipe end but i believe the LS inlet is high enough to not allow water to flow through pipe. There is no flap gate or other device to prevent water from flowing back through the pipe at the outlet. 5/15/2013 Same as last inspection. 1/4/2013 Same as last inspection. 5/12/2014 Same as last inspection. 1/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 24-inch concrete storm drain pipe through the levee 2-feet below the crown with a steel deflector at outlet. (Permit No. 12746, 1979, Garcia). FS Date: 05/14/2015					

LM Start	1.09	Rating **	M	Issue No.	3
LM End	1.09	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171296 °	39.171296 °
				-121.739779 °	-121.739779 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:45228 DS_ID:20115 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Crossing appears in good condition. No noticeable issues to report. Pipe not permitted and has no flap gate. 5/15/2013 Same as last inspection. 1/4/2013 Same as last inspection. 5/12/2014 New flapgate installed on WS pipe end. 1/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 8-inch corrugated metal drain pipe through the levee 1.5-feet below the crown. Unable to locate the inlet. FS Date: 05/14/2015					

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	04/14/2015 04/14/2015	Bob Duffey

LM Start	1.34	Rating **	M	Issue No.	8
LM End	1.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171198 °	39.171198 °
				-121.735125 °	-121.735125 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:45230 DS_ID:19432 EP_NO: 15946 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 LS inlet is still completely blocked with soil let is completely blocked with soil 5/15/2013 Same as last inspection 11/4/2013 Same as last inspection 5/12/2014 Same as last inspection 11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 12-inch CMP drain line through the levee 2-feet below the crown encased in concrete with flap gate on water side. Permit No. 15946 (1992) Design drawings available in permit. FS Date: 05/14/2015					

LM Start	1.67	Rating **	U	Issue No.	6
LM End	1.67	Issue Type +	Ma	Location *	WS
Category	Rivers, Channels & Designated Floodways			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171128 °	39.171128 °
				-121.729235 °	-121.729235 °
DWR ID	DWR_NA0020_01_s _ 2012_6				
Action/Comments					
Inspector Comments: Sutter Yard needs to repair the erosion before winter.					

Photo 1 of 1 : SP_2015_ST0020_213_6_20150420_00010.jpg



Repair the erosion along the waterside slope.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

Waterway			Bank	Unit Miles
Unit No. 02 East Levee			Left	3.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/23/2015 - 04/23/2015			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171116 °	39.171101 °
				-121.726501 °	-121.721857 °
DWR ID	DWR_NA0020_02_s _ 2012_11				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.25	Rating **	M	Issue No.	12
LM End	0.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171107 °	39.171107 °
				-121.722069 °	-121.722069 °
DWR ID	DWR_NA0020_02_s _ 2012_12				
Action/Comments					
Garbage					
Inspector Comments: Tires					

Photo 1 of 1 : SP_2015_ST0020_214_12_20150310_00009.jpg



View of the tires along the W/S toe.

LM Start	0.26	Rating **	M	Issue No.	9
LM End	0.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171101 °	39.171101 °
				-121.721856 °	-121.721856 °
DWR ID	DWR_NA0020_02_s _ 2012_9				
Action/Comments					
Debris					

Photo 1 of 1 : SP_2015_ST0020_214_9_20150310_00007.jpg



View of the debris along the L/S toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	0.39	Rating **	M	Issue No.	28
LM End	0.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171067 °	39.171067 °
				-121.719217 °	-121.719217 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:45244 DS_ID:19425 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Abandoned crossing pipe and pump abandoned. Pipe should be removed or properly abandoned. 5/15/2013 Same as last inspection 11/4/2013 Same as last inspection 5/12/2014 Same as last inspection 11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 8-inch iron irrigation pipe through the levee 2-feet below crown. 7.5 HP Pump in canal. Originally included in O+M manual 1953. See As-builts Dwg. 50-10-2816. FS Date: 05/14/2015					

LM Start	0.55	Rating **	M	Issue No.	2
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171002 °	39.170507 °
				-121.716293 °	-121.676212 °
DWR ID	DWR_NA0020_02_s_2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comments: Remove the vegetation from both slopes.					

Photo 1 of 1 : SP_2015_ST0020_214_2_20150428_00016.jpg



View of the vegetation on both slopes.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	0.74	Rating **	M	Issue No.	29
LM End	0.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170989 °	39.170989 °
				-121.712650 °	-121.712650 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45245 DS_ID:19426 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Abandoned crossing. Needs to be properly abandoned. Pumping plant abandoned. Pipe abandoned and only visible at bottom of concrete standpipe. Pipe needs to be abandoned properly. 5/15/2013 Same as last inspection 11/4/2013 Same as last inspection 5/12/2014 Same as last inspection 11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 12-inch iron irrigation pipe through the levee 6-feet below the crown. Power pole on waterward shoulder with pump on berm. 36-inch concrete standpipe on LS shoulder. Originally included in O+M manual 1953. See As-builts Dwg. 50-10-2816. FS Date: 05/14/2015					

No Photos

LM Start	1.43	Rating **	M	Issue No.	3
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170782 °	39.170817 °
				-121.700167 °	-121.698203 °
DWR ID	DWR_NA0020_02_s_2012_3				
Action/Comments					
Debris					

Photo 1 of 1 : SP_2015_ST0020_214_3_20150310_00003.jpg



View of the piles of broken concrete next to the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	1.54	Rating **	M	Issue No.	30
LM End	1.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170847 °	39.170847 °
				-121.697888 °	-121.697888 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:45250 DS_ID:19423 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 LS inlet still buried with soil and blackberries on WS have blocked the flap gate. S intake is filled and blocked with soil. 5/15/2013 Same as last inspection. 11/4/2013 Same as last inspection. 5/12/2014 Same as last inspection. 11/17/2014 WS outlet of pipe is overgrown and blocked from opening by blackberries. LS inlet still appears to be buried/blocked by soil. FIELD_STRUCT_DESC: 16-inch corrugated metal pipe through the levee 5-feet below the crown. Flap gate on waterward end. FS Date: 05/14/2015					

LM Start	1.54	Rating **	M	Issue No.	4
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170800 °	39.170702 °
				-121.698105 °	-121.690788 °
DWR ID	DWR NA0020 02 s 2012 4				

Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP_2015_ST0020_214_4_20150310_00004.jpg



View of the erosion along the waterside slope.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	1.74	Rating **	M	Issue No.	31
LM End	1.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170832 °	39.170832 °
				-121.694174 °	-121.694174 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45252					
DS_ID:20122					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 5/12/2015 Crossing appears in good condition. No noticeable issues to report. No permit identified for crossing. 5/15/2013 Same as last inspection. 11/4/2013 Same as last inspection. 5/12/2014 Same as last inspection. 11/17/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 7-inch flexible HDPE storm drain pipe through the levee 1-foot below the crown.					
FS Date: 05/14/2015					

No Photos

LM Start	1.74	Rating **	M	Issue No.	32
LM End	1.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170832 °	39.170832 °
				-121.694174 °	-121.694174 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45253					
DS_ID:20119					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 5/12/2015 Crossing appears in good condition. No					
noticeable issues to report. No permit identified for					
crossing. 5/15/2013 Same as last inspection. 11/4/2013 Same as					
last inspection. 5/12/2014 Same as last inspection. 11/17/2014					
Same as last inspection.					
FIELD_STRUCT_DESC: 5-inch aluminum storm drain pipe through the					
levee 1-foot below the crown. Flap gate on water side with concrete					
headwall block on LS.					
FS Date: 05/14/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	1.76	Rating **	M	Issue No.	33
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170806 °	39.170806 °
				-121.693769 °	-121.693769 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45254					
DS_ID:20120					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 5/12/2015 Crossing appears in good condition. No noticeable issues to report. No permit identified for crossing.					
5/15/2013 Same as last inspection.					
11/4/2013 Same as last inspection.					
5/12/2014 Same as last inspection.					
11/17/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 5-inch aluminum storm drain pipe through the levee 1-foot below the crown. Flap gate on water side with concrete headwall block on LS.					
FS Date: 05/14/2015					

No Photos

LM Start	1.76	Rating **	M	Issue No.	34
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170806 °	39.170806 °
				-121.693769 °	-121.693769 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45255					
DS_ID:20121					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 5/12/2015 Crossing appears in good condition. No noticeable issues to report. No permit identified for crossing. 5/15/2013 Same as last inspection. 11/4/2013 Same as last inspection. 5/12/2014 Same as last inspection. 11/17/2014 Same as last inspection.					
FIELD_STRUCT_DESC: 7-inch flexible HDPE storm drain pipe through the levee 1-foot below the crown.					
FS Date: 05/14/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	1.82	Rating **	C	Issue No.	25
LM End	1.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170801 °	39.170794 °
				-121.692591 °	-121.691355 °
DWR ID	DWR_ST0020_02_s _ 2014_25				
Action/Comments					
Prunings					

No Photos

LM Start	1.92	Rating **	M	Issue No.	5
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171104 °	39.171104 °
				-121.718880 °	-121.718876 °
DWR ID	DWR_NA0020_02_s _ 2012_5				
Action/Comments					
Equipment					

Photo 1 of 1 : SP_2015_ST0020_214_5_20150310_00005.jpg



View of the equipment and buildings next to the landside berm.

LM Start	1.93	Rating **	U	Issue No.	26
LM End	1.93	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170743 °	39.170743 °
				-121.690644 °	-121.690644 °
DWR ID	DWR_ST0020_02_s _ 2014_26				
Action/Comments					
Pipe					

Photo 1 of 1 : SP_2015_ST0020_214_26_20150310_00013.jpg



View of the unauthorized pipe going through the crown of the levee.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	1.94	Rating **	M	Issue No.	35
LM End	1.94	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170771 °	39.170771 °
				-121.690631 °	-121.690631 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45257 DS_ID:20123 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Crossing appears in good condition. No noticeable issues to report. No permit identified for crossing. 5/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS. Erosion under WS outlet. 5/22/2013 Erosion under pipe outlet has been repaired. Bank lined with rock to prevent future erosion. 11/4/2013 Same as last inspection. 5/12/2014 Same as last inspection. 11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 7-inch flexible HDPE storm drain pipe through the levee 1-foot below the crown. FS Date: 05/14/2015					

No Photos

LM Start	1.95	Rating **	M	Issue No.	6
LM End	1.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170775 °	39.170775 °
				-121.691252 °	-121.691255 °
DWR ID	DWR_NA0020_02_s_2012_6				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : SP_2015_ST0020_214_6_20150310_00006.jpg



View of the erosion along the W/S slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	1.97	Rating **	U	Issue No.	27
LM End	1.97	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170777 °	39.170777 °
				-121.689820 °	-121.689820 °
DWR ID	DWR_ST0020_02_s_2014_27				
Action/Comments					
Pipe					

Photo 1 of 1 : SP_2015_ST0020_214_27_20150310_00014.jpg



View of the unauthorized pipe going through the crown of the levee.

LM Start	1.98	Rating **	M	Issue No.	36
LM End	1.98	Issue Type +	En	Location *	CR
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170754 °	39.170754 °
				-121.689815 °	-121.689815 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45258 DS_ID:20124 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Crossing appears in good condition. No noticeable issues to report. No permit identified for this crossing. 5/15/2013 Flexible pipe has been replaced with 6.5 inch steel with flap gate on WS outlet. Erosion under WS outlet. 5/22/2013 Erosion under pipe outlet has been repaired and bank lined with rock to prevent future erosion. 11/4/2013 Same as last inspection. 5/12/2014 Same as last inspection. 11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 7-inch flexible HDPE storm drain pipe through the levee 1-foot below the crown. FS Date: 05/14/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	2.02	Rating **	M	Issue No.	17
LM End	2.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170756 °	39.170756 °
				-121.689841 °	-121.689841 °
DWR ID	DWR_NA0020_02_s_2013_17				
Action/Comments					
Note and monitor erosion site.					
Inspector Comments: Repair the erosion along the waterside slope.					

Photo 1 of 1 : SP_2015_ST0020_214_17_20150428_00018.jpg



View of the erosion along the waterside slope.

LM Start	2.02	Rating **	U	Issue No.	18
LM End	2.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170756 °	39.170756 °
				121.689840 °	121.689840 °
DWR ID	DWR_NA0020_02_s_2013_18				
Action/Comments					
Pipe					
Inspector Comments: View of an unauthorized pipe going through the crown of the levee.					

Photo 1 of 1 : SP_2015_ST0020_214_18_20150310_00011.jpg



View of the unauthorized pipe going through the crown of the levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
---	--	--	--	--	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	2.05	Rating **	M	Issue No.	37
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688572 °	-121.688572 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45261 DS_ID:20125 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Crossing appears in good condition. No noticeable issues to report. No permit identified for this crossing. 5/15/2013 Same as last inspection. 11/4/2013 Same as last inspection. 5/12/2014 Same as last inspection. 11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: Fiber optic line through the levee at unknown depth crossing on east side of Township road bridge. FS Date: 05/14/2015					

No Photos

LM Start	2.05	Rating **	M	Issue No.	38
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688566 °	-121.688566 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:45262					
DS_ID:20126					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 5/12/2015 Crossing appears in good condition. No noticeable issues to report. No permit identified for this crossing.					
5/15/2013 Same as last inspection. 11/4/2013 Same as last inspection.					
5/12/2014 Same as last inspection. 11/17/2014 Same as last inspection.					
FIELD_STRUCT_DESC: Gas line crossing through the levee at unknown depth. Sign on LS.					
FS Date: 05/14/2015					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
--	--	---	--	---	--

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	2.05	Rating **	M	Issue No.	39
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170639 °	39.170639 °
				-121.688445 °	-121.688445 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:45263 DS_ID:20127 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 5/12/2015 Crossing appears in good condition. No noticeable issues to report. No permit identified for this crossing. 5/15/2013 Same as last inspection. 11/4/2013 Same as last inspection. 5/12/2014 Same as last inspection. 11/17/2014 Same as last inspection. FIELD_STRUCT_DESC: 18-inch asphalt coated corrugated metal storm drain pipe through the levee 6-feet below the crown. Flap gate on water side. FS Date: 05/14/2015					

LM Start	2.71	Rating **	M	Issue No.	10
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170548 °	39.170548 °
				-121.675970 °	-121.675970 °
DWR ID	DWR NA0020 02 s 2012 10				

Action/Comments					
Material Inspector Comments: Remove the lumber, garbage and equipment from the landside toe.					

Photo 1 of 1 : SP_2015_ST0020_214_10_20150428_00015.jpg



View of the material, garbage and equipment along the landside toe

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.05	04/23/2015 04/23/2015	Bob Duffey

LM Start	2.95	Rating **	M	Issue No.	1
LM End	2.95	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170598 °	39.170598 °
				-121.671807 °	-121.671807 °
DWR ID	DWR_ST0020_02_f_2014_1				
Action/Comments					
Material					
Inspector Comments: Remove the concrete from the landside toe.					

Photo 1 of 1 : SP_2015_ST0020_214_1_20150310_00001.jpg



View of the concrete along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
--	--	---	--	---